

## Automotive Test Stand

NSN: 4910-01-417-1870  
LIN: V99843  
TM: Commercial

### System Description

Test stand power source is electric motor. This test stand power input will match any 45 kw or larger 3 phase mobile electric power system unit, as well as all NATO 60 or 50 hertz power systems in the 3 phase low voltage (208-480 volt) range. The drive system incorporates a 30 HP high speed drive motor with a variable frequency inverter that produces torque at the shaft with a variable speed range of 0-12000 RPM. All electrical instruments are digital LED type with an accuracy of better than 1/4% and analog instruments are utilized to indicate rapid fluctuations when monitoring UUT voltage and starting amperage. Three separate digital tachometers display drive motor RPM, belt drive unit under test (UUT) RPM, and starter RPM.

### System Mission

This test stand will test automotive type Alternators, Generators, Regulators, and Starters (AGRS). This includes the new belt-drive dual voltage alternator that is being incorporated into the new military vehicles.

### Reset Responsibility

Unit

### Reset Location

This system is not currently in reset.

**This system is not currently in reset.**

### Reset Type

**Reset Work (Field Level)** - Work performed to correct equipment faults that are performed at the ORG/DS level; performed by unit level soldiers, augmented by contractor as required.

### Reset Strategy

Test stand is a field-level reparable item; no depot maintenance repair program currently exists. Item is a supply class 2 , AWCf item and units should submit a funded requisition to B14 to acquire the test stand. This item can be reconstituted by contacting the manufacturer with the serial number, Electric Power Equipment Co. Inc - phone: 888-842-7927, fax: 303-288-5003. Five year warranty from date of purchase, it provides that all supplies will be free from defects in material or workmanship.

### **- Contact Information -**

877.4.PMSKOT (877.476.7568)  
[rock-pm-skot@conus.army.mil](mailto:rock-pm-skot@conus.army.mil)